

Abstract Of The Disclosure:

A gas sensor, which could be a sensor of combustible gases, incorporates a diffusion chamber having symmetrical sensing and reference portions. A common source emits infrared-type radiant energy symmetrically into the two portions. Each portion incorporates a curved reflective surface which reflects incident infrared onto a respective sensor. Each sensor has a filter which passes a different selected band of energy. A fluid, such as gas being sensed, passes laterally through the chamber.